

Layer (type)	Output Shape	Param #
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 256)	131328
dropout_1 (Dropout)	(None, 256)	0
dense_2 (Dense)	(None, 1)	257
Total params: 131,585		
Trainable params: 131,585		
Non-trainable params: 0		

2019-06-04 12:21:11.640276: I tensorflow/core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2

Train on 40000 samples, validate on 10000 samples

Epoch 1/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.3737 - acc: 0.8362 - val_loss: 0.3355 - val_acc: 0.8545
Epoch 2/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.3373 - acc: 0.8523 - val_loss: 0.3334 - val_acc: 0.8547
Epoch 3/20
40000/40000 [=====] - 91s 2ms/step - loss: 0.3284 - acc: 0.8565 - val_loss: 0.3215 - val_acc: 0.8631
Epoch 4/20
40000/40000 [=====] - 81s 2ms/step - loss: 0.3222 - acc: 0.8588 - val_loss: 0.3186 - val_acc: 0.8621
Epoch 5/20
40000/40000 [=====] - 82s 2ms/step - loss: 0.3159 - acc: 0.8628 - val_loss: 0.3158 - val_acc: 0.8633
Epoch 6/20
40000/40000 [=====] - 82s 2ms/step - loss: 0.3115 - acc: 0.8648 - val_loss: 0.3148 - val_acc: 0.8639
Epoch 7/20
40000/40000 [=====] - 83s 2ms/step - loss: 0.3082 - acc: 0.8669 - val_loss: 0.3128 - val_acc: 0.8632
Epoch 8/20
40000/40000 [=====] - 83s 2ms/step - loss: 0.3042 - acc: 0.8699 - val_loss: 0.3126 - val_acc: 0.8635
Epoch 9/20
40000/40000 [=====] - 81s 2ms/step - loss: 0.3013 - acc: 0.8709 - val_loss: 0.3107 - val_acc: 0.8678
Epoch 10/20
40000/40000 [=====] - 82s 2ms/step - loss: 0.2974 - acc: 0.8740 - val_loss: 0.3173 - val_acc: 0.8591
Epoch 11/20
40000/40000 [=====] - 80s 2ms/step - loss: 0.2946 - acc: 0.8738 - val_loss: 0.3070 - val_acc: 0.8691
Epoch 12/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2912 - acc: 0.8748 - val_loss: 0.3059 - val_acc: 0.8700
Epoch 13/20
40000/40000 [=====] - 83s 2ms/step - loss: 0.2889 - acc: 0.8776 - val_loss: 0.3079 - val_acc: 0.8679
Epoch 14/20
40000/40000 [=====] - 81s 2ms/step - loss: 0.2862 - acc: 0.8775 - val_loss: 0.3060 - val_acc: 0.8684
Epoch 15/20
40000/40000 [=====] - 81s 2ms/step - loss: 0.2836 - acc: 0.8801 - val_loss: 0.3036 - val_acc: 0.8717
Epoch 16/20
40000/40000 [=====] - 81s 2ms/step - loss: 0.2804 - acc: 0.8826 - val_loss: 0.3055 - val_acc: 0.8702
Epoch 17/20
40000/40000 [=====] - 83s 2ms/step - loss: 0.2791 - acc: 0.8820 - val_loss: 0.3026 - val_acc: 0.8718
Epoch 18/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2767 - acc: 0.8842 - val_loss: 0.3034 - val_acc: 0.8700
Epoch 19/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2722 - acc: 0.8856 - val_loss: 0.3066 - val_acc: 0.8697
Epoch 20/20
40000/40000 [=====] - 82s 2ms/step - loss: 0.2690 - acc: 0.8877 - val_loss: 0.3037 - val_acc: 0.8715

